

Policies and Priorities Governing NEB*SAT Operation

Purpose of Document

The purpose of this document is to A) explain the basic components of the distance learning systems of Nebraska; B) provide guidance in choosing the appropriate system for the user's needs; C) set forth the scheduling priorities and appeals process for allocating finite resources; and D) set forth a fee structure for late schedule changes and course cancellation.

Background

In anticipation of a growing demand for access to the networks of the NEB*SAT system, the Coordinating Council for Educational Telecommunications prepared a statement of policies and priorities to be used in allocating use time on NEB*SAT. This document, approved by the Council on June 4, 1990, was revised by the NEB*SAT Operations Committee and Approved by the Coordinating Council in January 1994. During 1999 the Coordinating Council for Educational Telecommunications ceased to exist and along with it the Council's three standing committees (Executive, Operations and Policy and Planning). The Legislature delegated the Education Council of the Nebraska Information Technology Commission (NITC) the responsibility for recommending scheduling policies to the Nebraska Educational Telecommunications Commission (NETC).

In late spring 2000 the Education Council's Operations Work Group selected five members (two representing secondary education, two representing post-secondary education and the NEB*SAT Coordinator to review the existing policies and procedures that were last modified November 7, 1996. This review and subsequent input by the full Operations Work Group was subsequently recommended by the NITC Education Council on January 19, 2001 and adopted by the NETC on February XX, 2001.

Authority

§79-1316 and §79-1317 NEB. REV. STAT.

"The Nebraska Educational Telecommunications Commission is to arrange for the operation of statewide educational telecommunications networks. The NETC, in consultation with users of its distance learning and telecommunications facilities, networks, and equipment, may establish user fees, penalty fees, or other fees as necessary for and consistent with the efficient and orderly use of its facilities, networks, and equipment."

Approved by the Coordinating Council for Educational Telecommunications June 4, 1990. Modifications approved January 12, 1994 and revised on November 7, 1996. Further revisions were approved by the Nebraska Educational Telecommunications Commission on February xx, 2001 effective for the Spring 2002 scheduling period.

The NEB*SAT System

The NEB*SAT video communications system is primarily a satellite-based system with a growing terrestrial interconnection network established to provide educational services to targeted audiences who otherwise might not be able to participate in shared distance learning and communications activities. The system provides for transmission of video/audio signals for statewide television and radio distribution for the Nebraska Educational Telecommunications Commission as well as distance education channels.

Potential users of these distance education networks and terrestrial interconnections are:

- K-12 Districts and Distance Learning Consortia
- The University of Nebraska system and its affiliated departments
- State Colleges
- Community Colleges
- Private Colleges
- Telehealth Networks – for Training and Educational Purposes
- State Agencies
- Local Governmental subdivisions
- Not-for-Profit Organizations – for Training and Educational Purposes

The NEB*SAT system includes:

- Network 1: Used to transmit Nebraska Educational Telecommunication's (NET) Broadcast Television and Radio services.
- Network 2: A 6-channel digital satellite service which can be used for one-way video broadcast transmission between NET and over 270 sites across Nebraska and more than 500 sites across North America. (See Appendix 2 for Network 2 locations)
- Network 3: A 30-channel digital satellite service which can be used for two-way interactive, compressed audio and video between NET and over 20 sites across Nebraska. (See Appendix 3 for Network 3 locations)
- Network 4: The NEB*SAT system provides connectivity to independently managed interactive video networks referred to as Network 4. (See Appendix 4 for Network 4 locations)

The configuration of the NEB*SAT system is shown in Appendix 1.

The Network 2 system is a one-way transmission network originating from the Nebraska Educational Telecommunications (NET) Center in Lincoln and often uses one-way video with two-way audio as an alternative to Network 3.

The Network 3 system is capable of transmission and reception at several locations throughout the state. It can be used for interactive two-way audio/video programming from one Network 3 site to others, or to access the Network 2 system from Network 3 locations not capable of direct connection to NET's Network Operations Center. Each Network 3 system is capable of sending or receiving only one program at a time.

The DS3 terrestrial interconnections each contain four video circuits and connect the Southwestern Nebraska Distance Learning Consortium and Mid Plains Community College to the Lincoln switch and to NET's systems. Another connection links the Northeast and North Central regional Consortia to the same infrastructure in Lincoln.

The Lincoln – Omaha fiber system is provided to interconnect various institutions located in the Omaha Metro area with NET's systems in Lincoln. The system provides three high-quality, full-motion 2-way audio/video circuits. It serves as a gateway from the Omaha institutions to NEB*SAT, provides intercampus connectivity between UNL, UNO and UNMC and is used as a transmission path for the Omaha Instructional Television Fixed System (ITFS).

A Multi-Conference Unit (MCU) located in the NET Network Operations Center allows for voice-switched video between Network 3 sites and is employed whenever intensive interactive video and audio is required. As a general rule, an MCU is used whenever two or more parties outside of NET need to share programming.

Which System Should I Use?

To insure fair scheduling and efficient use of the systems, the following questions should be considered when requesting resources:

1. Does the intended service require broadcast quality video without the ability to see and hear the remote locations? [Use Network 2]
2. Does the intended service require interactivity between locations but without broadcast quality video? [Use Network 3]
3. Is the program intended for a broad audience at many sites, at least part of which cannot be accessed using the Network 3 system? [Use Network 2]
4. Will the technical limitations of compressed video have an adverse effect on the visual/audio content of the program and thus impact the learning of the viewers? [Use Network 4]
5. Is “one-way video/two-way audio” or “one-way video/audio only” adequate to accomplish the objectives of the class or event? [Use Network 2]
6. Is the intended service to be provided at institutions located only in Omaha or Lincoln? [Use Lincoln-Omaha Fiber]
7. Is the intended service to be provided at institutions located in the Southwest Distance Learning Consortium, Lincoln-Omaha or the Northeast and North Central Distance Learning Networks? [Use DS-3 Circuits]

Assigning Program Priorities

A program priority classification has been developed to assist the NEB*SAT scheduling coordinator in making necessary decisions regarding the scheduling priority of program requests. The following criteria will be applied equally and fairly to all requesting institutions with no consideration or bias given to any educational sector, network or institution. These program priorities are applied to requests that are received **during** the advanced scheduling period and that are **in conflict** for the same date and time.

Scheduling within each independent distance learning consortium and network is the responsibility of that respective entity and is NOT part of these policies.

Program Priorities

Priority Level One

Credit courses that allow K-12 and/or Post Secondary institutions working cooperatively to provide critical coursework that addresses critical needs. These collaborative efforts may include teacher certification to meet shortage areas or required specialized courses.

- K-12 and/or Post Secondary credit course which is part of a degree/diploma sequence offered by an educational institution with at least 2/3 of the classes for that degree/diploma provided via telecommunications.
- K-12 and/or Post Secondary credit course which is part of a federal or state curriculum for “mandated” certification. (e.g. Health Information Management, Wastewater Treatment Operator, etc...)
- K-12 and/or Post Secondary credit course which students cannot obtain within their regional consortium or network, but which is offered through an educational institution in another regional consortium or network.

Priority Level Two

- K-12 and/or Post Secondary credit course which are scheduled continuously throughout the entire semester block (or the continuous equivalent thereof).

Priority Level Three

- K-12 and/or Post Secondary credit course which is scheduled periodically during the semester block (or the continuous equivalent thereof).

Priority Level Four

- Non-credit courses, conferences, seminars.

Priority Level Five

- Meetings

Secondary Factors Impacting Program Priorities

The following factors have been considered in establishing the NEB*SAT system programming priorities. They will be applied equally and fairly for all entities considering the use of Network 2, Network 3 or the interconnections systems for Network 4. **Scheduling within each independent distance learning consortium and network is the responsibility of that respective entity and is NOT part of these policies.**

These factors are not presented in priority order, but the **descriptors** within each factor are listed in decreasing order of priority. These factors will only be used when two or more institutions request the same resource at the same time on the same day during the Advanced Scheduling Period and have equal priority status.

Program Content

1. Educational
2. Informational

Program Type

1. Credit courses or equivalent
2. Non-credit courses or equivalent—for example, seminar series
3. Individual program, conference, etc.

Program or Course Schedule

1. Regularly scheduled at fixed intervals for the entire academic term.
2. Regularly scheduled for part of an academic term.
3. Scheduled at varied times throughout an academic term.
4. Single program.

Frequency of Offering of Entire Course or Program

1. Part of course sequence for degree or certificate, offered routinely.
2. Not part of a course sequence.

Course Time Schedule

1. Time of day fixed.
2. Time varies, day of week is fixed.
3. Schedule is variable.

Students or Audience

A larger audience has a higher priority status.

Users

1. Multi-sectors
2. Single-sector

Network 2 Receive Locations

1. All receive sites are located within the state of Nebraska.
2. A majority of receive sites are located within the state of Nebraska
3. Receive site(s) located outside the state of Nebraska

Network 2 Program Distribution

1. Statewide distribution to multiple locations serving multi-sectors.
2. Broad distribution to multiple locations serving a specific sector.
3. Distribution to a narrow, specialized or select group of sites.

Network 3 Receive Locations

1. All receive locations can be accessed via the Network 3 system.
2. A majority of receive locations can be accessed via the Network 3 system in combination with other interactive networks.

Network 3 Facility Utilization

1. Interactive events requiring transmission and reception of audio and video.
2. Network 2 access.
3. Network 3 receive only events.

Network 4 Receive Locations

1. All receive locations can be accessed via the Network 4 system
2. A majority of receive locations can be accessed via the Network 4 system in combination with other interactive networks.

Network 4 Facility Utilization

1. Interactive events requiring transmission and reception of audio and video.
2. Network 2 access.

Resolution of Conflicts

The scheduling coordinator will make every effort to resolve conflicts in scheduling at the lowest level of escalation possible. This includes placing calls to affected entities to adjust program times or dates. If a conflict in scheduling arises that cannot be resolved by adjusting times or dates, then the following process will be followed:

1. The Scheduling Coordinator will apply the primary and secondary program priorities; if still not resolved,
2. An appeal is made to the Program Utilization Committee; if still not resolved,
3. An appeal is made to the NITC Education Council.

Other Network 2, Network 3 and Network 4 Requirements and Considerations

1. No institution or sector will be given priority to a Network 2 or Network 3 channel. Channel assignments will be offered to institutions on an available time and equipment basis.
2. Network 2 downlink sites agreeing to receive an institution's event MUST be listed on the request form when scheduling.
3. No institution or sector will be given priority to a Network 4 terrestrial interconnection including the DS3 or the Lincoln-Omaha fiber links.
4. Each Network 3 and Network 4 site will have a Site Coordinator who is responsible for scheduling the local telecommunications system and rooms. The name of the Site Coordinator, address, phone, FAX and e-mail address will be furnished to the NEB*SAT Coordinator.
5. In addition to the information listed above, each regional pod or network that has received NEB*SAT funding, or that requests or grants interconnection with NEB*SAT must furnish the name of the person responsible for scheduling the regional pod or network, address, phone, FAX and e-mail address. Any specific scheduling policy or guidelines governing the regional network or pod should also be provided.
6. Two different types of Network 3 sites have been identified and therefore have differing distance education objectives. Specific Network 3 types are:
 - a. Institutions that offer academic degrees
 - b. Other NEB*SAT operational sites (See Appendix 3).

Either may be used to gateway events from regional pods or networks to Network 3 or to Network

4. Locations identified as academic institutions will provide the name, address, phone, FAX and email of the individual responsible for accepting credit classes from other academic institutions.
7. Only ONE individual will be identified and have scheduling authority at any Network 3 location or Network 4 location.
8. Only academic Network 3 sites may schedule credit classes.
9. Prior to submitting a Network 3 system scheduling request for a credit class the requesting entity MUST receive approval from all sites. The name of the individual granting approval must accompany the request.
10. Funding for the installation and on-going operations of the NEB*SAT systems has been provided through state appropriations. These systems include: Network 2, Network 3, Lincoln-Omaha Fiber Interconnections, Lincoln-Norfolk and Lincoln-North Platte DS3 Interconnections. These systems are used to interconnect educational institutions as well as to link them with the Nebraska Educational Telecommunications Operations Center. Therefore, to insure equity in the event that the Nebraska Educational Telecommunications Commission adopts usage fees, (79-1317) all institutions will be charged the same rate regardless of location.
11. The entire sequence, semesters needed, time blocks and related classes must be indicated when submitting a scheduling request for a diploma or program sequence. Once requested and confirmed, the sequence must adhere to the fixed time and day.

Preemption of Scheduled Programming

- An emergency or disaster may result in the preemption of scheduled programming.
- In all other instances, preemption must be negotiated to the satisfaction of the present time holder who can refuse to relinquish the time if he or she wishes to do so.

Responsibilities of the Nebraska Educational Telecommunications Commission & NET

The NETC is responsible for operating and scheduling all usage of the NEB*SAT Network 2, 3 and interconnection systems for Network 4. NET's Network Operations Center is responsible for monitoring all usage:

- To enable appropriate compressed video channel reservation;
- To verify and technically monitor scheduled usage of the requested channel;
- To prevent conflicts of dual usage of the same channel at a given date and time;
- To ensure operation of the system at all times according to prescribed Federal Communications Commission, the satellite vendor and other technical regulations;
- To ensure the technical quality of all NEB*SAT transmissions;
- To document system usage for reporting purposes.

Therefore, the Nebraska Educational Telecommunications Commission has adopted the following operational policy:

All NEB*SAT Network 2 and 3 program origination and Network 4 interconnection requests must be scheduled in advance through the office of the NEB*SAT Scheduler/Coordinator. No program origination is to occur without such approval prior to the time of transmission.

Reservations can be made via e-mail, telephone, fax or the U.S. Postal Service.

NEB*SAT Scheduling Coordinator lwagner@unl.edu
Nebraska Educational Telecommunications Center
1800 N. 33rd St., Lincoln, NE 68503
Telephone: 402-472-3611 x 539 Fax: 402-471-4131

Program Utilization Committee

The Program Utilization Committee (PUC) is the “Users’ Group” of the NEB*SAT systems. Membership will include a single representative from each of the following educational institutions, educational consortiums, non-academic sites and Telehealth systems that have been identified as users of the system or connected directly into the NEB*SAT system (additional institutions will be added whenever they make a request for program classes on the system):

----Post Secondary----	----K-12----
Community Colleges	Central Nebraska DLC
Central	Crossroads DLC (Pending)
Metropolitan	Eastern Nebraska DLC
Mid Plains	Niobrara Valley Tele-Partnership
Northeast	North Central Consortium
Southeast	Northeast Nebraska DLC
Western Nebraska	Northeast Nebraska Learner’s Academy
State Colleges	Sandhills Technology Educational Program
Chadron	Southeast Nebraska DLC
Peru	Southwest Nebraska DLC
Wayne	Tri Valley DLC
University of Nebraska	Western Nebraska DLC
Kearney	----Tele Health Networks----
Lincoln	Bryan/LGN - Lincoln
Medical Center	Good Samaritan - Kearney
Omaha	Omaha Telehealth Network - Omaha
Private & Independent Universities	----Non-Academic----
Creighton University	Panhandle Education Center – Scottsbluff
Hastings College	Plains Higher Ed. Center – North Platte
Midland Lutheran College	Nebraska Vet Education Center – Curtis
	College Park – Grand Island
Advisors: NET Engineering Staff & NEB*SAT Coordinator	

All institutions and systems are welcome and encouraged to attend the PUC meetings whether they are using the system or not. However, only members who submit program requests to use the system are eligible to vote on issues brought before the group.

It is the intent of the Legislature that staff of the Nebraska Educational Telecommunications Commission either communicate with or convene the administratively established Program Utilization Committee (PUC) at least once each fiscal year in order to discuss problems relating to the NEB*SAT System, discuss solutions, discuss the implementation of NEB*SAT appropriations, and discuss future funding requests for the NEB*SAT System.

Advance Scheduling on NEB*SAT's Network 2, Network 3 and Network 4 Interconnection Systems:

Semester*	Invitations Sent	Receive Site Approval	NEB*SAT Deadline	PUC Review	Ed Council Review**	Final Schedule
Spring	05/01	05/20	06/01	06/30	07/15	07/30
Summer	09/01	09/20	10/01	10/30***	11/15	11/30
Fall	12/01	01/15	02/01	02/30	03/15	03/30

Following final confirmation, scheduling will occur on a first-come, first-available basis.

* Or the continuous equivalent thereof

**Disputed scheduling decisions can be appealed to the NITC Education Council. Institutions who disagree with any scheduling decision must submit a notice to the Education Council in advance of their monthly meeting. This notice must include the specific reason that the institution believes that the scheduling policy was not followed. (trolfes@cio.state.ne.us or 402-471-7969)

*** The summer PUC meeting will NOT take place unless there are unresolved scheduling conflicts or if there are time-critical issues to discuss.

Fees for Late Schedule Changes and Class Cancellation

NETC may establish user fees, penalty fees, or other fees as necessary for and consistent with the efficient and orderly use of its facilities, networks, and equipment. The delivery of low-cost/no-cost educational opportunities to the learners of Nebraska was the intent of implementing the satellite distance learning system.

It was not intended that institutions would accidentally or purposefully reserve prime time programming slots on the system in advance without having verifiable student demand. The reserved programming time not utilized represents a measurable loss to the State of Nebraska. The cancellation of classes typically occurs so late that the programming time is unable to be recovered or utilized by other entities or institutions and remains open or unused throughout the remainder of the semester or term. The purpose of the fee schedule is to provide an incentive for earlier release of unfilled or un-needed programming time.

The fees assessed will be collected and transferred to the NEB*SAT cash fund for upgrade and maintenance of the NEB*SAT systems. The staff of the NEB*SAT Scheduling office will implement the following fee schedule for use of the NETWORK 2 and NETWORK 3 systems.

Cost of staff time to adjust program scheduling outside of the advanced scheduling period = \$20.00/hour

Cost of class cancellation:

- Within 30 days of Final Schedule Date = # hours/term x \$8.22/hour* x #sites x 10%
- 30+ days after Final Schedule Date but prior to start of term = # hours/term x \$8.22/hour* x #sites x 25%
- After start of Fall and Spring terms = # hours/term x \$8.22/hour* x #sites x 100%

* \$8.22 per hour represents the State of Nebraska's actual cost to lease the transponder space of Network 3 at 364 active programming hours per month (14 hrs/day x 26 days/month).

Appendix 1: Nebraska Educational Telecommunications Resources

CHANNEL	SERVICE		DATA RATE
NETWORK 1:			
Channel 100	MCPC NETV1 (Educational Television/Radio)		9.00 Mb
Channel 101	MCPC NETV2 (formerly EduCable)		4.55 Mb
NETWORK 2:			
Channel 102	MCPC	Distance Education	1.90 Mb
Channel 103	MCPC	Distance Education	1.90 Mb
Channel 104	MCPC	Distance Education	1.90 Mb
Channel 105	MCPC	Distance Education	1.90 Mb
Channel 106	MCPC	Distance Education	1.90 Mb
Channel 107	MCPC	Backup Channel	1.90 Mb
(MCPC = multiple channel per carrier)			
NETWORK 3:			
Channel 08	SCPC	Distance Education	384 Kb
Channel 09	SCPC	Distance Education	384 Kb
Channel 10	SCPC	Distance Education	384 Kb
Channel 11	SCPC	Distance Education	384 Kb
Channel 12	SCPC	Distance Education	384 Kb
Channel 13	SCPC	Distance Education	384 Kb
Channel 14	SCPC	Distance Education	384 Kb
Channel 15	SCPC	Distance Education	384 Kb
Channel 16	SCPC	Distance Education	384 Kb
Channel 17	SCPC	Distance Education	384 Kb
Channel 18	SCPC	Distance Education	384 Kb
Channel 19	SCPC	Distance Education	384 Kb
Channel 20	SCPC	Distance Education	384 Kb
Channel 21	SCPC	Distance Education	384 Kb
Channel 22	SCPC	Distance Education	384 Kb
Channel 23	SCPC	Distance Education	384 Kb
Channel 24	SCPC	Distance Education	384 Kb
Channel 25	SCPC	Distance Education	384 Kb
Channel 26	SCPC	Distance Education	384 Kb
Channel 27	SCPC	Distance Education	384 Kb
Channel 28	SCPC	Distance Education	384 Kb
Channel 29	SCPC	Distance Education	384 Kb
Channel 30	SCPC	Distance Education	384 Kb
Channel 31	SCPC	Distance Education	384 Kb
Channel 32	SCPC	Distance Education	384 Kb
Channel 33	SCPC	Distance Education	384 Kb
Channel 34	SCPC	Distance Education	384 Kb
Channel 35	SCPC	Distance Education	384 Kb
Channel 36	SCPC	Distance Education	384 Kb
Channel 37	SCPC	Distance Education	384 Kb
(SCPC = single channel per carrier)			

Appendix 1: Nebraska Educational Telecommunications Resources (continued)

NETWORK 4:

SERVICE	DATA RATE
Digital Distance Learning Consortia	44.7 Mb
Connectivity to the Nebraska Video Conference Network (NVCN)	384 Kb
DS-3 Terrestrial Interconnections:	
Lincoln – North Platte and Lincoln – Norfolk	44.7 Mb

Appendix 2: Network 2 Receive Sites

City	Institution	Phone	Fax	Coordinator	E-mail
Adams	Adams Public School	402-988-2525	402-988-3475	Robin Sugden	rsugden@esu6.esu6.k12.ne.us
Ainsworth	Ainsworth Community School	402-387-2082	402-387-2083	Sue Ellen Reinke	sreinke@esu17.esu17.k12.ne.us
Albion	Albion Public School	402-395-2134	402-395-2137	Deb Larson	dlarson@esu7.org
Albion	Boone County Extension	402-395-2158	402-395-6592	Steve Pritchard	spritchard1@unl.edu
Allen	Allen Consolidated School Dist. 70	402-635-2484	402-635-2331	Connie Roberts	croberts@mother.esu1.k12.ne.us
Alliance	Alliance City Schools	308-762-1580	308-762-8249	Lonnie Sherlock	sherlock@aps.k12.ne.us
Alliance	Charter Communications	308-762-4830	308-762-4831	Jerry Gibbons	jgibbons@chartercom.com
Alliance	WNCC Alliance Center	888-559-9622		Mark Sinner	sinnerm@wncc.net
Alma	Harlan County Cooperative Extension	308-928-2119	308-928-2317	Alice Fouts	afouts@unlnotes.unl.edu
Amherst	Amherst High School	308-826-3131	308-826-4865	Carl Dietz	cdietz@esu10.org
Ansley	Ansley Public School	308-935-1122	308-935-9103	Linda Rosentreader	lrosentr@genie.esu10.k12.ne.us
Arapahoe	Arapahoe Public School	308-962-5458	308-962-7481	David Hendricks	dhenric@courier.org
Arcadia	Arcadia Public School	308-789-6522	308-789-6214	Milt Carter	mcarter@esu10.org
Arnold	Arnold Public School	308-848-2226	308-848-2201	Julie Mohr	jmohr@genie.esu10.k12.ne.us
Ashland	Ashland-Greenwood Public School	402-944-2114	402-944-2116	Ray Bentzen	rbentzen@esu2.esu2.k12.ne.us
Auburn	Educational Service Unit #4	402-274-4354	402-274-4356	Chuck Hummel	chummel@esu4.org
Auburn	Nemaha County Extension Service	402-274-4755	402-274-4756	Ken Burgert	kburgert1@unl.edu
Auburn	Time Warner Cable	800-742-7310	402-274-2502	Mike Chandler	
Aurora	Alice M. Farr Public Library	402-694-5101	402-694-3861	Gary Berner	gberner@hamilton.net
Aurora	Hamilton County Cooperative Extension	402-694-5101	402-694-3861	Gary Berner	gberner@hamilton.net
Axtell	Axtell Community School	308-743-2415	308-743-2417	Linda Reeson	lreeson@courier.esu11.k12.ne.us
Basset	Rock County High School	402-684-3411	402-684-3671	Phyllis Harlan	pharlan@esu17.esu17.k12.ne.us
Beatrice	Beatrice Public Library	402-223-3584	402-223-3913	Carolyn Bennet	cbennett@beatrice.lib.ne.us
Beatrice	Educational Service Unit #5	402-223-5277	402-223-5279	Charles Doyle	cdoyle@esu5.org
Beatrice	Gage County Extension Service	402-223-1384	402-223-1370	Paul Hay	
Beemer	Beemer Public School	402-528-3380	402-528-7203	Larry Bausch	
Benkelman	Benkelman Cable	308-423-5200	308-423-2399	Randy Raile	rraile@bwtelcom.net
Benkelman	Dundy County Public Schools	308-423-2738	308-423-2711	Peggy Parker	pparker@esu15.org
Bennington	Bennington High School	402-238-2447	402-238-2185	Gordon Boe	gboe@esu3.esu3.k12.ne.us
Blair	Blair Community School	402-426-4941	402-426-4949	Thelma Seevers	tseevers@esu3.org
Blair	Washington County Extension Service	402-426-9455	402-426-3577	Jim Peterson	jpetersm@unlnotes.unl.edu
Boys Town	Boys Town	402-498-1635	402-498-1348	Jim Tomczack	tomczackj@boystown.org
Brady	Brady Public School	308-584-3317	308-584-3725	Sue Roe	sroe@esu16.org
Bridgeport	Bridgeport Public School	308-262-1470	308-262-0520	Tammy Covalt	
Broken Bow	Broken Bow Public Library	308-872-2927	308-872-2927	Joan Brinie	bb12849@alltel.net
Broken Bow	Broken Bow Public School	308-872-6913	308-872-2751	Gary Russell	grussel@bbps.k12.ne.us
Burwell	Burwell Jr/Sr High School	308-346-4150	308-346-5430	Kathy Mann	kmann@esu10.org
Burwell	Garfield County Cooperative Extension	308-346-4200	308-346-4339	Steve Neimeyer	sneimeyer1@unl.edu
Callaway	Callaway Public School	308-836-2273	308-836-2771	Betty Warnke	bwarnke@genie.esu10.k12.ne.us
Cambridge	Cambridge Cable TV	308-697-3333	308-697-3631	Jim Tellus	jtellus@swnebr.net
Cambridge	Cambridge Public School	308-697-3322	308-697-4880	Leanna Sackett	lsackett@esu11.org
Cedar Bluffs	Cedar Bluffs Public School	402-628-2060	402-628-2005	Keith McMann	kmcmann@esu2.esu2.k12.ne.us
Center	Knox County Extension Service	402-288-4224	402-288-4267	Amy Johnson	ajohnso@unlnotes.unl.edu
Central City	Central City High School	308-946-3086	308-946-2954	Mark Gloor	mgloor@gilligan.esu7.k12.ne.us
Chadron	Charter Communications	308-432-2904		Steve Serres	
Chadron	Chadron Public School	308-432-0707	308-432-0723	Bill Dixon	bdixon@panesu.org
Chadron	Chadron State College	308-432-6234	308-432-6443	Bruce Mues	bmues@csc.edu
Chadron	Dawes County Extension Service	308-432-3373	308-432-3374	Donald Huls	dhuls@unl.edu

Chappell	Chappell High School	308-874-3310	308-874-2604	Cyd Hanson	chanson@panesu.org
Clarks	Clarks Public School	308-548-2216	308-548-2120	Vicky Beck	vbeck@esu7.org
Clarkson	Clarkson High School	402-892-3454	402-892-3455	Bill Owens	rowen@esu7.org
Clay Center	Clay Center Public School	402-762-3561	402-762-3200	Jennice Smith	gsmith @esu9.org
Clay Center	University of NE - Clay Center	402-762-4535	402-762-4509	Steve Johnson	sjohnson@gpvec.unl.edu
Cody	Cody-Kilgore Public School	402-823-4190	402-823-4275	Gina Hoffman	ghoffman@esu17.esu17.k12.ne.us
Columbus	Central Community College-Columbus	402-562-1276	402-562-1202	Doug Hann	dhann@cccneb.edu
Columbus	Lakeview High School	402-564-8518	402-564-5209	Carol Mahar	cmahar@www.esu7.org
Columbus	Platte County Extension Office	402-562-1276	402-562-1202	Doug Hann	dhann@cccneb.edu
Cook	Nemaha Valley School	402-864-4171	402-864-2074	Lavonne Niedermeyer	lniederm@esu4.org
Cozad	Cozad High School	308-784-2744	308-784-2728	Maydelle Messerschmidt	maydellem@mail.coz.esu10.k12.ne.us
Crawford	Crawford Public School	308-665-1537	308-665-1909	Gary Fisher	gfisher@ctsrms.org
Crete	Crete Jr/Sr High School	402-826-5811	402-826-2701	John Courtney	johnc@creteschools.org
Culbertson	Culbertson Public School	308-278-2131	308-278-3173	Larry Schall	lschall@esu15.esu15.k12.ne.us
Curtis	Curtis Cable TV	308-367-8600	308-367-5556	Tim Nicholson	toolman@curtis-ne.com
Dakota City	Dakota County Extension	402-987-2140	402-987-2160	Carol Larvick	clarvick1@unl.edu
Dalton	Leyton Public School	308-377-2301	308-377-2304	Sean George	sgeorge@panesu.org
David City	David City Public High School	402-367-3187	402-367-3479	Ed Sieck	esieck@esu7.org
Dawson	Dawson-Verdon Public School	402-855-2645	402-855-3145	Barbara Simmons	ds43536@navix.net
Daykin	Meridian Public School	402-446-7265	402-446-7246	Doris DeWald	ddewald@esu6.esu6.k-12.ne.us
Dodge	Dodge Public School	402-693-2207	402-693-2209	Scott Lamberty	slambert@esu2.esu2.k12.ne.us
Doniphan	Doniphan Public School	402-845-6531	402-845-6688	Yvonne Griffin	ygriffin@esu9.org
Dunning	Sandhills High School	308-538-2224	308-538-2226	Rich Schlesselman	rschless@genie.esu10.k12.ne.us
Elgin	Elgin Public School	402-843-2455	402-843-2475	Elaine Meyers	emeyers@pluggers.esu8.k12.ne.us
Elkhorn	Elkhorn High School	402-289-4239	402-289-4383	Karen Everett	keverett@esu3.esu3.k12.ne.us
Ewing	Ewing High School	402-626-7235	402-626-7236	Doris Montgomery	dmontgomery@pluggers.esu8.k12.ne.us
Exeter	Exeter Public School	402-266-5911	402-266-4811	Jeretta Taurrella	jtaurriel@esu6.esu6.k12.ne.us
Fairbury	Fairbury High School	402-729-6116	402-729-6275	Kim McCain	kmccain@esu6.org
Fairbury	Jefferson County Extension Service	402-729-3487	402-729-3078	Joann Kerwood	jwurm2@unl.edu
Fairbury	Time Warner Cablevision	402-729-6494	402-729-6402	Mike Francis	fbycable@yahoo.com
Falls City	Richardson County Extension	402-245-4324	402-245-4990	Gerald Hopp	ghopp1@unl.edu
Falls City	Time Warner Cablevision	402-245-2863	402-245-4160	Bob Ivey	ftech55@yahoo.com
Firth	Norris School District #160	402-791-0000	402-791-0025	Nancy Martin	martinn@norris.edu6.k12.ne.us
Fort Calhoun	Fort Calhoun Jr/Sr High	402-468-5592	402-468-5593	Jerry Barabas	jpeitzmeier@esu3.org
Franklin	Franklin Public School	308-425-6283	308-425-6553	Dick Kennedy	rkennedy@courier.esu11.k12.ne.us
Fremont	Dodge County Extension Service	402-727-2775	402-727-2777	Mary Spath	mspath@unl.edu
Fremont	Fremont Cablevision	402-727-1271	402-727-1275	Rick Sullivan	rick.sullivan@twcable.com
Fremont	Fremont Sr High School	402-727-3052	402-727-3708	Connie Schmeichel	cschmeic@esu2.esu2.k12.ne.us
Fullerton	Fullerton Public School	308-536-2431	308-536-2432	Trudy Evert	tevert@esu7.org
Geneva	Fillmore County Extension	402-759-3416	402-759-3416	Terry Hejny	thejny1@unl.edu
Geneva	Geneva Public School	402-759-3141	402-759-4038	Jenell Stengel	jstengel@esu6.esu6.k12.ne.us
Genoa	Genoa Public School	402-993-2911	402-993-7718	Linda Sass	lsass@esu7.org
Gering	Gering Civic Center	308-436-6888	308-436-6888	Rick Keller	meatshoppe@hotmail.com
Gering	Gering High School	308-436-3121	308-436-4214	Robin Schadwinkle	rschadwinkel@geringschools.net
Gering	Gering Jr High School	308-346-4627	308-346-6010	Mary Robinson	mrobinson@geringschools.net
Giltner	Giltner Public School	402-849-2238	402-849-2440	Wendy Findley	wfindley@esu9.esu9.k12.ne.us
Gothenburg	Gothenburg Public School	308-537-3651	308-537-3965	Jerry Wiggins	jwiggins@genie.esu10.k12.ne.us
Grand Island	Central Community College - GI	308-389-6387	308-389-6399	Sarah Cunningham	cungacc@ccadm.gi.cccneb.edu
Grand Island	Charter Communications	308-382-0170	308-382-2047	Steve Grimes	sgrimes@chartercom.com
Grant	Grant High School	308-352-4735	308-352-4769	Larry Pritchett	L_Pritchett@gps.esu16.k12.ne.us
Greeley	Greeley Public School	308-428-3145	308-428-5395	Anne Rech	arech@genie.esu10.k12.ne.us

Guide Rock	Guide Rock Public School	402-257-3105	402-257-2035	Larry Babcock	lbabcock@esu9.org
Harrisburg	Banner County Public School	308-436-5262	308-436-5252	Roy Ingram	ingramr@panesu.org
Harrison	Sioux County Extension Service	308-668-2428	308-668-2428	Lillian Witte	lwitte@unl.edu
Harrison	Sioux County High School	308-668-2415	308-668-2260	Barb Engebretsen	bengebretsen@harrison.windbreak.com
Harvard	Harvard Public School	402-772-2171	402-772-2204	Toni Knapp	tknapp@esu9.org
Hastings	Adams County Cooperative Extension	402-461-7209	402-461-7210	Sue Brown	sbrown1@unl.edu
Hastings	Central Community College - Hastings	402-461-2455		Breck Tuttle	
Hastings	Educational Service Unit #9	402-463-0218	402-463-9555	Chris Petroff	avrepair@esu9.org
Hastings	Hastings College	402-461-7313	402-461-7442	Gary Allison	cpower@hastings.edu
Hebron	Hebron Public School	402-768-6117	402-768-6110	Betty Meyer	librarian@hebron.esu6.k12.ne.us
Hebron	Thayer County Cooperative Extension	402-768-7212	402-768-7213	Phyllis Schonenholz	pschoenholz@unl.edu
Henderson	Henderson Community School	402-723-4434	402-723-4431	Norman Yoder	nyoder@esu6.esu6.k12.ne.us
Hershey	Hershey Public School	308-368-5573	308-368-5570	Kathy DaMoude	kdamoude@hhs.esu16.k12.ne.us
Hildreth	Hildreth Public School	308-938-2415	308-938-5335	Chris Wilson	cwilson@esu11.org
Holdrege	Central Community College - Holdrege	308-995-8133	308-995-5695	Dianna Watson	dwatson@ccc.neb.edu
Holdrege	Holdrege Public School	308-995-5421	308-995-4970	Terry Shield	tshield@courier.esu11.k12.ne.us
Holdrege	Phelps County Cooperative Extension	308-995-4222	308-995-8581	Gary Hall	gdhall@unlnotes.unl.edu
Hooper	Logan View Jr/Sr High	402-654-3317	402-654-3699	Sue Blomendahl	sblomend@esu2.esu2.k12.ne.us
Humbolt	Humbolt Public School	402-862-2151	402-862-2152	Kay Coleman	
Humphrey	Humphrey Public School	402-923-1230	402-923-1235	Russell Flamig	rflamig@gilligan.esu7.k12.ne.us
Hyannis	Hyannis High School	308-458-2202	308-458-2227	Sandy Yorges	
Imperial	Chase County Cooperative Extension	308-882-4731	308-882-5246	Tom Dill	tdill1@unl.edu
Imperial	Chase Cty High/Imperial Grade School	308-882-4304	308-882-5629	Lorain Vires	virelora@mail.cc.esu15.org
Indianola	Republican Valley School	308-364-2202	308-364-2265	Jody Kent	jdkent@esu15.org
Ithaca	Saunders County Extension	402-624-8030	402-624-8010	Bob Meduna	rmeduna1@unl.edu
Johnson	Johnson-Brock Public School	402-868-5235	402-868-4785	Jan Gerdes	jgerdes@esu4.org
Kearney	Buffalo County Extension Office	308-236-1235	308-234-6319	Ralph Anderson	randerson2@unl.edu
Kearney	Cable USA	308-234-6428	308-234-6452	Paul Buresh	
Kearney	Central Community College - Kearney	308-237-2379	308-398-7490	Diane Rainforth	drainforth@cccneb.edu
Kearney	Educational Service Unit #10	308-237-5927	308-237-5920	Arlyn Hinrichs	mwimber@esu10.org
Kearney	Kearney High School	308-237-6100	308-237-6141	Judy Henning	jhenning@genie.esu10.k12.ne.us
Kearney	University of NE - Kearney	308-865-8503	308-865-8102	Terry Christensen	
Kimball	Kimball/Banner Extension Service	308-235-3122	308-235-3077	Ray Weed	rweed1@unl.edu
Laurel	Laurel-Concord Public School	402-256-3133	402-256-9465	Lyle Van Cleave	lcleave@mother.esu1.k12.ne.us
Lawrence	Lawrence Public School	402-756-7013	402-756-7120	Mary Steele	msteel@esu9.org
Leigh	Leigh Community School	402-487-2228	402-487-2607	Cecil Fields	
Lewiston	Lewiston High School	402-865-4675	402-865-4875	Bruce McCoy	bmccoy@esu4.org
Lexington	Bresnan Cable	308-324-3984	308-324-4404	Roger Laubscher	rlaubscher@bresnan.com
Lexington	Central Community College - Lexington	308-324-5936	308-324-5885	Cassie Smith	csmith@ccc.neb.edu
Lexington	Dawson County Extension	308-324-5501	308-324-5503	Bruce Treffer	btreffer1@unl.edu
Lincoln	Educational Service Unit #18	402-436-1833	402-436-1638	Doug Dickeson	ddicke@lps.org
Lincoln	Lancaster County Extension	402-441-7180	402-441-7148	Jim Wies	jwies1@unl.edu
Lincoln	St. Elizabeth's Hospital	402-486-7027	402-489-4971	Bob Potter	bpotter@stez.org
Lincoln	Southeast Community College	402-437-2599	402-437-2404	Brad Yeager	byeager@sccm.cc.ne.us
Lincoln	Time Warner Cable	402-421-0382	402-421-0310	Tom Coleman	
Long Pine	Long Pine Education Center	402-273-4295	402-273-4133	Gordon Brooks	7springs@sscg.net
Loup City	Loup City High School	308-745-0548	308-745-0130	Jerome Lobner	jerome@cornhusker.net
Macy	Macy Public School	402-837-5622	402-837-5245	Dave Friedli	dfriedli@esu1.org
Macy	NE Indian Community College - Macy	402-837-5078	402-837-4183	Gabrielle Elliott	gelliott@unlserv.unl.edu

Madison	Madison Public Schools	402-454-3336	402-454-2238	Phyllis Jensen	pjensen@pluggers.esu8.k12.ne.us
Madrid	Wheatland School District	308-326-4201	308-326-4231	Renae Bottom	rbottom@esu16.esu16.k12.ne.us
Maxwell	Maxwell Public School	308-582-4585	308-582-4584	Deanna Helberg	kbrosius@esu16.esu16.k12.ne.us
Maywood	Maywood Public School	308-362-4223	308-362-4454	Scott Johnsen	sjohnsen@esu15.org
McCook	McCook Community College	800-658-4348	308-345-6767	Pat Bonge	pbonge@mcc.mccook.cc.ne.us
Mead	Mead Public School	402-624-3435	402-624-2069	Ann Stotts	astotts@esu2.esu2.k12.ne.us
Merna	Anselmo-Merna Public School	308-643-2224	308-643-2313	Rich Schlesselman	rschless@genie.esu10.k12.ne.us
Milford	Educational Service Unit #6	402-761-3341	402-761-3279	Michael Goff	mgoff@esu6.org
Milford	South East Community College	402-761-2131	402-761-2324	Randy Williams	rwilliams@sccm.cc.ne.us
Milligan	Milligan Public School	402-461-3341	402-761-3279	Linda Wiley	lwiley@esu6.org
Minatare	Minatare Public School District #2	308-783-1733	308-783-2982	Lillian Diedrichsen	lilliand@panesu.org
Morrill	Morrill Public School	308-247-2149	308-247-2196	Kathy Edwards	kedwards@panesu.org
Mullen	Mullen High School	308-546-2223	308-546-2209	Charles Hafer	chafer@esu16.esu16.k12.ne.us
Murray	Conestoga Public School	402-235-2271	402-235-2421	Herb Kaiman	hkaiman@esu3.org
Nebraska City	Nebraska City Public School	402-873-3360	402-873-6030	Jim Callen	jcallen@webmail.esu6.org
Neligh	Antelope County Extension	402-887-5414	402-887-5373	Dewey Teel	dteel1@unl.edu
Neligh	Educational Service Unit #8	402-887-5041	402-887-4604	Jim Dow	jdow@esu8.org
Nelson	Nelson Community School	402-225-3371	402-225-5431	Elaine Thayer	ethayer@esu9.org
Newcastle	Newcastle Public School	402-355-2231	402-355-2635	Valerie Willers	vwillers@mother.esu1.k12.ne.us
Niobrara	Santee Public School	402-857-2741	402-857-2743	Jim Bartles	jbartles@esu1.k12.ne.us
Norfolk	Cable One	402-379-2330	402-379-4224	Scott Owens	sowens@cableone.net
Norfolk	Madison County Extension	402-370-4040	402-370-4010	Marvin Chris Carlson	mccarlso@unlnotes.unl.edu
Norfolk	Northeast Community College	402-644-0518	402-644-0555	Tom Larsen	toml@alpha.necc.cc.ne.us
North Platte	McKinley Education Center	308-535-7120	308-535-8122	Ken Hughes	khughes@esu16.org
North Platte	Mid Plains Community College Vo-Tech	308-532-8740	308-532-8494	Gordon Koch	gpkoch@ziggy.mpcc.cc.ne.us
North Platte	Mid Plains Community College	308-532-8980	308-532-8590	Clifford Hills	cahills@ziggy.mpcc.cc.ne.us
North Platte	West Central Research & Extension	308-532-3611	308-532-3823	Clifford Hills	cahills@ziggy.mpcc.cc.ne.us
Ogallala	Charter Communications	308-284-3807	308-284-6014	Doug Halligan	
Ogallala	Educational Service Unit #16	308-284-8481	308-284-8483	Chenae Carroll	ccarroll@esu16.org
Ogallala	Keith/Arthur Extension Service	308-284-6051	308-284-6052	Carolyn Straub	cstraub1@unl.edu
Ogallala	Ogallala High School	308-284-4029	308-284-3869	Susan Krab	skrab@esu16.org
Omaha	Career Center - 2nd Downlink	402-557-2555	402-557-2559	Dick Dennis	rdennis@ops.org
Omaha	Cox Communications	402-932-2201	402-932-2210	Bob Richwine	b.richwine@cox.com
Omaha	Creighton University	402-280-5126	402-280-5068	Charley Van Tilburg	cvt@creighton.edu
Omaha	Douglas/Sarpy County Extension Office	402-444-7950	402-444-6430	Steve Mlynarek	smlynare@unlnotes.unl.edu
Omaha	Metro Community College	402-289-1342	402-289-1276	Wally Luska	wluskas@metrop.mccneb.edu
Omaha	Millard North High School	402-691-1409	402-691-1336	Kim Vawter	kvawter@millard.esu3.k12.ne.us
Omaha	Millard South High School	402-895-8267	402-895-8472	Nancy Parkening	millard.esu3.k12.ne.us
Omaha	Omaha Public Schools - Burke High	402-557-3259	402-557-3239	Sue Zimpfer	zimpfers@ops.org
Omaha	Omaha Public Schools - N.W. High	402-557-3500	402-557-3539	Cindy McWhirter	mcwhirtc@ops.org
Omaha	Omaha Pubic Schools - North High	402-557-3416	402-557-3474	Judith Dickson	jdickson@ops.org
Omaha	Omaha Public Schools - South High	402-557-3662	402-557-3639	Douglas Young	
Omaha	University of NE Medical Center	402-559-8090	402-559-7130	Dallas Haynes	
Omaha	Westside High School	402-343-2715	402-343-2608	Kathy Lake	
O'Neill	Holt County Extension	402-336-2760	402-336-2766	Ralph Kulm	rkulm1@unl.edu
Orchard	Orchard Public School	402-893-4155	402-893-2065	Larry Mieras	
Ord	Ord High School	308-728-3241		Ann Clausen	aclausen@esu10.k12.ne.us

Ord	Valley County Extension	308-728-5071	308-728-7034	Doug Anderson	dlanders@unlnotes.unl.edu
Oshkosh	Garden County Extension Office	308-772-3311	308-772-4143	Carla Mahar	cmahar1@unl.edu
Osmond	Osmond Community School	402-748-3362	402-748-3210	Patti Ketelsen	pketelse@esu8.org
Overton	Overton Public School	308-987-2424	308-987-2349	Judy Johnson	jjohnson@genie.esu10.k12.ne.us
Oxford	Southern Valley School	308-868-2400	308-868-2223	Rogene Wenburg	rwenburg@esu11.org
Palmer	Palmer Public School	308-894-3065	308-894-8245	Mark Van Pelt	
Papillion	Douglas/Sarpy County Extension Office	402-593-2172	402-444-6430	Steve Mlynarek	smlynare@unlnotes.unl.edu
Pawnee City	Pawnee City Public School	402-852-2988	402-852-2993	Bob West	rwest@esu6.esu6.org
Paxton	Paxton High School	308-239-4283	308-239-4359	Chris Godfrey	cgodfrey@mail.com
Pender	Pender Public School	402-385-3244	402-385-3342	Alison Shearer	ashearer@pender.esu1.k12.ne.us
Peru	Peru State College	402-872-2215	402-872-2288	Connie Moody	cmoody@oakmail.peru.edu
Peru	Peru State College - Nebraska City	402-872-2249	402-872-2240	Carl Ellis	cellis@oakmail.peru.edu
Petersburg	Petersburg Public School	402-386-5302	402-386-5464	Pat Nader	pnater@gilligan.esu7.k12.ne.us
Plainview	Plainview Public School	402-582-4991	402-582-4992	Karen Foster	kfoster@pluggers.esu8.k12.ne.us
Pleasanton	Pleasanton Public School	308-388-2041	308-388-5502	Deb Smith	dsmith@genie.esu10.k12.ne.us
Polk	Polk - Hordville Public School	402-765-3331	402-765-3332	Doug Gilson	dgilson@gilligan.esu7.k12.ne.us
Ponca	Ponca Public School	402-755-2241	402-755-2992	Nikki Carnell	ncarnell@mother.esu1.k12.ne.us
Potter	Potter - Dix Public School	308-879-4434	308-879-4566	Sue Gosnell	sgosnell@panesu.org
Randolph	Randolph Public School	402-337-0252	402-337-0235	Marilyn Rastede	marasted@mother.esu1.k12.ne.us
Raymond	Raymond Central Public School	402-785-2695	402-785-2097	Trudy Pedley	TPedley@Raymond.esu2.k12.ne.us
Red Cloud	Red Cloud Community School	402-746-2818	402-746-2817	Roger Hammond	rhammond@esu9.org
Red Cloud	Webster County Extension Office	402-746-3417	402-746-3417	Chuck Burr	drose1@unl.edu
Rushville	Rushville Public School	308-327-2491	308-327-2279	Glen Mitchell	
Rushville	Sheridan County Extension Service	308-327-2312	308-327-2606	Nel Hinton	nhinton@unlnotes.unl.edu
Schuyler	Schuyler Central High School	402-352-3527	402-352-2372	Sylvia Stutzman	sstutzm@esu7.org
Scotia	North Loup Scotia Public School	308-245-3201	308-245-9133	Lelia Johnson	
Scottsbluff	Center for Business & Industry Training	308-635-6142	308-635-6100	Mark Sinner	sinnerm@wncc.net
Scottsbluff	Charter Communications	308-635-3163	308-635-1721	Marlin Carrell	mcarrell@chartercom.com
Scottsbluff	Educational Service Unit #13	308-635-3696	308-635-0680	B.J. Peters	bjpeters@esu13.org
Scottsbluff	Panhandle Research & Extension Center	308-632-1385	308-632-1315	Greg Carnahan	gcarnahan@unlnotes.unl.edu
Scottsbluff	Regional West Medical Center	308-630-1334	308-630-1700	Samala Brown	browns@rwmc.net
Scottsbluff	Western Nebraska Community College	308-635-6142	308-635-6100	Mark Sinner	sinnerm@wncc.net
Scribner	Scribner - Snyder Community School	402-664-2567	402-664-2407	Joseph Kaup	
Seward	Concordia College	402-643-7247	402-643-3328	Ray Huebschman	rhuebschman@seward.cune.edu
Seward	Seward County Extension Office	402-643-2981	402-643-6574	Dennis Kahl	dkahl@unl.edu
Seward	Seward High School	402-643-2988	402-643-2599	Dick Larson	dlarso00@connect.cune.edu
Shelton	Shelton Public School	308-647-6742	308-647-5233	Jean Hellman	jhellman@esu10.org
Sidney	Charter Communications	308-254-4300	308-254-7007	Doug Halligan	
Sidney	Cheyenne County Extension	308-254-4455	308-254-6055	Karen DeBoer	kdeboer1@unl.edu
Sidney	Educational Service Unit #14	308-254-4677	308-254-5371	Sandy White	swhite@panesu.org
South Sioux City	South Sioux City Sr. High School	402-494-2425	402-494-3916	Lance Swanson	lance@sioux.esu1.org
Spalding	Spalding Public School	308-497-2431	308-497-2141	Benji Hookstra	bhookstr@genie.esu10.k12.ne.us
Spencer	Spencer - Naper High School	402-589-1333	402-589-1142	Gene Adams	eadams@pluggers.esu8.k12.ne.us
Stanton	Lakeside Central Elementary School	402-439-2250	402-439-2270	Chris Chilcoat	cchilcoa@pluggers.esu8.k12.ne.us
Stapleton	Stapleton High School	308-636-2252	308-636-2618	Nichole Recoy	nrecoy@esu16.k12.ne.us
Stratton	Stratton Public School	308-276-2281	308-278-3173	Larry Schall	lschall@esu15.esu15.k12.ne.us

Sumner	Sumner-Eddyville-Miller Public School	308-752-2925	308-752-2600	Betty Warnke	bwarnke@genie.esu10.k12.ne.us
Superior	Superior Public School	402-879-3257	402-879-3022	Mel Crowe	mcrowe@esu9.org
Superior	Time Warner Cable	800-742-7313	402-729-6402	Mike Francis	fbycable@yahoo.com
Sutherland	Sutherland Public Schools	308-386-4656	308-386-2426	Sandy Adams	sadams@esu16.org
Sutton	Sutton Public School	402-773-5569	402-773-5578	Tim Olin	tolin@esu9.org
Syracuse	Otoe County Cooperative Extension	402-269-2301	402-269-2062	Steve Zimmers	szimmers1@unl.edu
Table Rock	Table Rock High School	402-839-2085	402-839-2088	Ann Hanson	ah@esu6.k12.ne.us
Taylor	Loup City Public School	308-942-6115	308-942-6248	John Howard	
Tecumseh	Johnson County Cooperative Extension	402-335-3669	402-335-3684	Ken Burgert	kburgert1@unl.edu
Tecumseh	Techumseh Public School	402-335-3320		Joan Peters	
Tekamah	Burt County Cooperative Extension	402-374-2929	402-374-2930	John Wilson	jwilson3@unl.edu
Thedford	Central Sandhills Extension Office	308-533-2224	308-645-2623	Kimberly Kelly	kkelly4@unl.edu
Thedford	Thedford High School	308-645-2629	308-645-2618	Eileen Hoffman	ehoffman@esu16.org
Trenton	Educational Service Unit #15	308-334-5160	308-334-5581	Verjean Carlson	vcarlson@esu15.org
Valentine	Cherry County Extension	402-376-1850	402-376-2867	Betty Quick	bquick1@unl.edu
Valentine	Cherry County Hospital	402-376-2525	402-376-1627	Rick Bennett	
Valentine	Educational Service Unit #17	402-376-1444	402-376-2623	Germaine Rae Johnson	germaine@esu17.esu17.k12.ne.us
Valentine	Valentine Elementary School	402-376-3237	402-376-1032	Jamie Isom	jisom@esu17.esu17.k12.ne.us
Valentine	Valentine Middle School	402-376-3277	402-376-1032	Jamie Isom	jisom@esu17.esu17.k12.ne.us
Valentine	Valentine Rural High School	402-376-1780	402-376-2736	Greg Gass	ggass@esu17.org
Valley	Valley Public Schools	402-359-2121	402-359-4371	Dori Kuspa	dkuspa@esu3.org
Wakefield	Educational Service Unit #1	402-287-2061	402-287-2065	Bonnie Clay	bclay@esu1.org
Walthill	Walthill Public School	402-846-5432	402-846-5029	Shirley Peters	speters@mother.esu1.k12.ne.us
Wauneta	Wauneta/Palisade Public School	308-394-5700	308-394-5962	Printha Fox	printhafox@hotmail.com
Wayne	Wayne State College	402-375-7468	402-375-7538	Jim Maly	wstate@wayne.com.edu.net
Weeping Water	Cass County Extension Office	402-267-2205	402-267-5375	Jim Carlson	jcarson1@unl.edu
Weeping Water	Weeping Water Public School	402-267-4265	402-267-5217	Helen Sweeney	hsweeney@wwps.esu3.org
West Point	Cuming Cooperative Extension Service	402-372-6006	402-372-2736	Larry Howard	lhoward1@unl.edu
Wilber	Saline County Extension Office	402-821-2151	402-821-3398	Randy Pryor	rpryor1@unl.edu
Wilber	Wilber-Claytonia Public School	402-821-2266	402-821-3013	Kurt Kiesel	kiesel@esu6.esu6.k12.ne.us
Winnebago	Little Priest NE Indian Comm. College	402-878-2380	402-878-2355	Ben Kitto	bkitto@lptc.cc.ne.us
Winnebago	Winnebago Public School	402-878-2224	402-878-2472	Rhonda Heise	rheise@esu1.org
Wisner	Wisner Public School	402-529-3249	402-529-3248	Alan Harms	aharms@mail.esu2.org
Wood River	Wood River Rural Jr/Sr High	308-583-2240	308-583-2395	Sally Wilcox	swilcox@genie.esu10.k12.us
York	York County Extension Service	402-362-5508	402-362-5509	Sue Gottula	york-county@unl.edu
York	Time Warner Cable	800-742-7419	402-362-1292	Jim Stahr	cy61559@mavix.net

Appendix 3: Network 3 Interactive Sites

City	Institution	Phone	Fax	Coordinator	E-mail
Beatrice	Southeast Comm. Coll.	402-228-3468	402-223-2121	Neal Henning	nhenning@sccm.cc.ne.us
Broken Bow	Sandhills Tech Ed Prgm	308-643-2224	308-643-2242	Rich Schlesselman	rschless@esu10.org
Chadron	Chadron St. College	308-432-6432	308-432-6443	Pat Hoffman	phoffman@csc1.csc.edu
Clay Center	Great Plains Vet Ed Center	402-762-4502	402-762-4509	Gary Rupp	grupp1@unl.edu
Columbus	Central Comm. Coll.	308-398-7387	308-398-6490	Sarah Cunningham	scunningham@cccneb.edu
Grand Island	Central Comm. Coll.	308-398-7387	308-398-6490	Sarah Cunningham	scunningham@cccneb.edu
	College Park	308-385-6419	308-385-6414	Rich Bringelson	rbringelson1@unl.edu
Hastings	Central Comm. Coll.	308-398-7387	308-398-6490	Sarah Cunningham	scunningham@cccneb.edu
	Hastings Coll.	402-461-7338	402-461-7480	Ron Davis	rdavis@hastings.edu
Ithaca	Ag Res & Dev Center	402-624-8011	402-624-8010	Dan Duncan	dduncan1@unl.edu
Kearney	Rural Health Ed Center	308-865-8065	308-865-8064	Carol Larson	larsonc@unk.edu
	UNK	308-865-8390	308-865-8590	Gloria Vavricka	vavricka@unk.edu
Lincoln	Dept of Ed	402-471-0533		Dan Mook	dmook@nde.state.ne.us
	Southeast Comm. Coll.	402-437-2705	402-437-2497	Randy Hiatt	rvhiatt@sccm.cc.ne.us
	UNL	402-472-0400	402-472-1901	Nancy Aden	naden@unl.edu
McCook	Mid Plains Comm. Coll.	308-532-8980	308-532-8590	Janis Ridnour	ridnourj@mpcca.cc.ne.us
Norfolk	Northeast Comm. Coll.	402-644-0586	402-644-0650	Wayne Erickson	wayne@alpha.necc.cc.ne.us
North Platte	Mid Plains Comm. Coll.	308-532-8980	308-532-8590	Janis Ridnour	ridnourj@mpcca.cc.ne.us
	West Central Res & Ext	308-532-3611	308-532-3823	Dorothy Davis	Ddavi1@unlnotes.unl.edu
Omaha	Creighton University	402-280-5105	402-280-5127	Chuck Lenosky	clenosky@creighton.edu
	Metropolitan Comm. Coll.	402-677-4696	402-289-1276	Craig Carlson	ccarlson@metropo.mccneb.edu
	UNMC	402-559-7483	402-559-7103	Max Thacker	msthacker@unmc.edu
	UNO	402-554-2516	402-554-2440	Kathi Rowch	krowch@unomaha.edu
Peru	Peru State College	402-872-2241	402-872-2240	Carl Ellis	cellis@oakmail.peru.edu
Scottsbluff	Panhandle Ed Center	308-632-1319	308-632-1315	Cheryl Burkhart-Kriesel	cburkhartkriesel1@unl.edu
	Western NE Comm. Coll.	308-635-6142	308-635-6100	Mark Sinner	sinnerm@wncc.net
Wayne	Wayne State College	402-375-7217	402-375-7204	Dennis Linster	DeLinst1@wsc.edu

Appendix 4: Network 4 Interactive Sites by Consortium (alphabetical by city with the facility)

Central Nebraska Distance Education Consortium				Chris Petroff, 402-463-7171, cpetroff@esu9.org			
Aurora	Blue Hill	Central City	Fairfield-Sandy Creek	Hampton	Hastings-ESU 9	Nelson	Red Cloud
Roseland-Silver Lake	Sutton						
Crossroads Distance Learning Consortium-proposed				Phyllis Brunken, 402-564-5753, pbrunke@esu7.org			
<i>Brainard-East Butler</i>	<i>Columbus</i>	<i>David City</i>	<i>Humphrey</i>	<i>Lindsay-Att. Center</i>	<i>Monroe</i>	<i>Osceola</i>	<i>Polk-High Plains</i>
<i>Rising City</i>	<i>Schuyler Central</i>	<i>Schuyler Elem</i>	<i>Shelby</i>	<i>Silver Creek</i>	<i>Stromsburg-Benedict</i>		
Eastern Nebraska Distance Learning Consortium				Diane Wolfe, 402-721-7710, dmwolfe@mail.esu2.org			
Allen	Arlington*	Ashland	Bancroft	Beemer	Blair*	Cedar Bluffs	Clarkson
Coleridge	Dodge	Elkhorn*	Fremont	Fremont-ESU 2	Gretna*	Hartington	Hooper
Howells	Laurel	Leigh	Lyons	Macy	Mead	Newcastle	North Bend
Oakland	Pender	Prague	Raymond	Scribner	South Sioux City	Tekamah	Valley*
Wahoo	Wakefield	Wakefield-ESU 1	Walthill	Wayne	West Point	Winnebago	Wisner
Yutan							
Niobrara Valley Tele-Partnership				Nigel Buss, 402-887-5041, nbuss@esu8.org			
Atkinson	Bartlett	Butte	Chambers	Clearwater	Elgin	Ewing	Lynch
Neligh-ESU 8	Norfolk-NECC	O'Neill	Orchard	Petersburg	Stuart	Wayne-WSC	
North Central Distance Learning Consortium				Nigel Buss, 402-887-5041, nbuss@esu8.org			
Ainsworth	Ainsworth-ESU 17	Bassett	Cody	Norfolk-NECC	Valentine	Wayne-WSC	
Northeast NE Distance Learning Consortium				Nigel Buss, 402-887-5041, nbuss@esu8.org			
Bloomfield	Creighton	Niobrara	Norfolk-NECC	Osmond	Plainview	Randolph	Verdigre
Wausa	Wayne-WSC						
Northeast Nebraska Learners' Academy				Nigel Buss, 402-887-5041, nbuss@esu8.org			
Albion	Battle Creek	Neligh	Newman Grove	Norfolk	Norfolk-NECC	Pierce	Stanton
Tilden	Wayne-WSC						
Sandhills Technology Education Program				Rich Schlesselman, 308-643-2224, rschless@esu10.org			
Ansley	Arcadia	Broken Bow	Burwell	Dunning	Loup City	Merna	Sargent
Taylor							

Southeast NE Distance Learning Consortium				Don Ferneding, 402-223-5277, dferneding@aol.com			
Adams-Freeman	Arlington*	Auburn-ESU 4	Beatrice	Beatrice-SCC	Beatrice-ESU 5	Blair*	Bruning
Chester-Hubbell Byron	Cook-Nemaha Valley	Crete	Davenport	Dawson-Verdon	Daykin-Meridian	DeWitt-TriCounty	Deshler
Diller	Dorchester	Elkhorn*	Exeter	Fairmont-Dist 025	Firth-Norris	Fort Calhoun	Friend
Geneva-Dist 025	Gretna*	Hebron	Henderson-Heartland	Humboldt	Johnson-Brock	Lewiston	Lincoln-SCC East
Lincoln-NDE	Lincoln-SCC Energy Square	Louisville	Malcolm	Milford	Milford-ESU 6	Milford-SCC	Millard-North
Millard-South	Millard-West	Milligan	Murdock-Elmwood	Murray-Conestoga	Neb City	Neb City-School Vis. Impaired	Neb City-PSC
Odell	Omaha-ESU 3	Omaha-UNO	Omaha-Westside	Palmyra	Papillion-LaVista	Pawnee City	Peru- PSC
Plattsmouth	Ralston	Seward	Shickley	Stella-SE Consolidated	Sterling	Syracuse	Tecumseh
Utica-Centennial	Valley*	Waverly	Weeping Water	Wilber-Clatonia	Wymore-Southern	York	
Southwest NE Distance Learning Consortium				Shirley Schall, 308-334-5160, sschall@esu15.org			
Arapahoe	Arnold	Arthur	Bartley-Twin Valley	Benkelman-Dundy County	Brady	Callaway	Cambridge
Culbertson	Curtis-Medicine Valley	Curtis-NCTA	Eustis-Farnam	Grant	Hayes Center	Hershey	Hyannis
Imperial-Chase County	Indianola-Republican Valley	Madrid-Wheatland	Maxwell	Maywood	McCook	McCook - MPCC	Mullen
North Platte	North Platte-ESU 16	North Platte-MPCC	Ogallala	Ogallala-ESU 16	Paxton-Consolidated	Stamford-Southern Valley	Stapleton
Sutherland	Thedford	Trenton-Lakeside Central	Trenton-ESU 15	Tryon-McPherson HS	Wallace	Wauneta-Palisade	
Tri Valley Distance Learning Consortium				John Horvath, 308-237-5927, jhorvath@esu10.org			
Alma	Amherst	Axtell	Bertrand	Cairo-Centura	Cedar Rapids	Clarks	Columbus-ESU 7
Cozad	Elba	Elm Creek	Elwood	Franklin	Fullerton	Genoa	Gibbon
Gothenburg	Grand Island-College Park	Greeley	Hildreth	Holdrege	Holdrege-ESU 11	Kearney	Kearney-ESU 10
Kearney-UNK	Loomis	Minden	Ord	Overton	Palmer	Pleasanton	Ravenna
Scotia	Shelton	Spalding	St. Edward	Sumner-Eddyville Miller	Wilcox	Wolbach	

Western NE Distance Learning Consortium				B.J. Peters, 308-635-3696, bpeters@esu13.org			
Bridgeport	Chadron	Chadron-CSC	Crawford	Gering	Gordon	Harrisburg-Banner County HS	Harrison-Sioux County HS
Hay Springs	Hemingford	Kimball	Minatare	Mitchell	Morrill	Oshkosh-Garden County HS	Rushville
Scottsbluff	Scottsbluff-ESU 13	Scottsbluff-WNCC					

*** = school districts that are dual listed in two separate consortia**

****Each location listing is that public high school unless otherwise indicated.**

Appendix 5: Nebraska Video Conference Network (NVCN)

Administrative Video Conferencing Service is offered through the State of Nebraska Division of Communications in an effort to reduce the impediment of long-distance driving for administrative meetings. Video conferencing has received strong and continued support as a mechanism to be used to conduct meetings between physically distant cities within the State of Nebraska. Instead of trips which are expensive in terms of lodging, transportation, and non-retrievable time away from the office; participants are assembled in a convenient video room and connected through the use of video cameras and monitors. Each room also contains a telephone, facsimile machine and a VCR that can be used to play videos to conference participants or to video tape conferences.

To schedule a video conference at any of the locations listed below, or a demonstration of the video system, call **402-471-4130**. The Nebraska Video Conference Network is operated by staff of the Nebraska Educational Telecommunications (NET) Center. The hourly cost of NVCN usage is determined by the number of sites and the status of the requesting entity. Consult the NVCN Scheduler at 402-471-4130 for further details.

Community	Location	Address	Cap	Phone	Fax
Ainsworth	Public Library	5 th & Main	15	402-387-0209	402-387-0209
Alliance	Learning Center, Room 123	1750 Sweetwater St.	20	308-763-2007	308-763-2019
Beatrice	State Dev. Cntr, Med Centr Conf. Rm. 2	3000 Lincoln Blvd.	21	402-223-6037	402-223-7589
Chadron	CSC, Student Cntr/Scottsbluff	10 th & Main	62	308-432-6440	308-432-6443
Columbus	Public Library, Columbus Rm. 2 nd Floor	2504 14 th St.	20	402-562-7804	402-562-7804
Grand Island	College Park, Conference Room C	3180 W. Hwy 34	25	308-385-6408	308-385-6414
Hastings	Public Library, 2 nd Floor	517 W. 4 th St.	125	402-462-1890	402-462-1890
Kearney	Public Library, 2 nd Floor Conference Room	2020 First Avenue	20	308-865-5653	308-233-3291
Kearney	UNK, Communications Center Room 101	1918 University Dr.	60	308-865-8058	308-865-8064
Lincoln	Atrium, 3 rd Floor PSC Conference Room	1200 N St.	20	402-471-3306	402-471-3306
Lincoln	Energy Square, Room 112A	1111 O St.	12	402-471-7387	402-471-7388
Lincoln	Executive Bldg, Suite 103	521 S. 14 th	25	402-471-3307	402-471-3319
Lincoln	State Office Bldg, 6 th Floor Tech Center	301 Centennial Mall, S.	4	402-471-7986	402-471-2701
Lincoln	Varner Hall, Room 13 Lower Level	3835 Holdrege	14	402-472-6953	402-472-4240
McCook	Von Riesen Library, Room 6 Basement	1205 E. 3 rd St.	15	800-658-4348	308-345-5744
Nebraska City	Peru State College, Tech Center Rm. 105	917 Wildwood Ln.	15	402-873-5006	NA
North Platte	McKinley Education Center, Room 1	301 West F St.	30	308-535-8122	308-535-8122
Norfolk	NECC, MaClay Building Room 122	801 E. Benjamin Ave.	12	402-370-3409	402-644-0555
Omaha	State Office Building, Room 134	1313 Farnam	26	402-595-1138	402-595-2781
Omaha	UNMC, Room 4203 Biomedical Comm.	985170 Med Center	10	402-559-6778	402-559-7103
O'Neill	St. Anthony's Hospital, Cornhusker Rm	2 nd & Adams Sts.	16	402-336-2911	402-336-5135
Scottsbluff	Panhandle Learning Center, High Plains Rm.	4502 Avenue I	15	308-632-1352	308-632-1396
Sidney	WNCC, Room 122	371 College Dr.	25	308-254-7412	308-254-7413
Valentine	Cherry County Extension Office	110 W. 4 th	12	402-376-1053	402-376-1501
-----	Private Video Conference Sites-----	Call 402-471-4130	For	Scheduling	-----
Callaway	High School	101 N. Needham	NA	308-836-2272	308-836-2771
Chadron	Chadron State College				
Kearney	UNMC				
Omaha	UNMC				
Sidney	Memorial Hospital				
Sidney	WNCC				
Sutherland	High School	401 Walnut St.	NA	308-386-4656	308-386-2426
Wallace	High School	Rural Box 127	NA	308-387-4323	308-387-4322

The privately managed video sites listed above can be accessed through the Nebraska Video Conferencing Network. Access to these sites can be arranged through the NVCN scheduling number **402-471-4130**. Since these sites are privately managed, conferences will be arranged around the host site's pre-existing schedule. The Nebraska Video Conferencing Network also has access nationally and internationally to hundreds of video sites through the Sprint Meeting Channel and the AT&T Switched Video Network.